Somenath Bakshi

List of Publications by Year
in descending order

16 papers	1,227 citations	567281 15 h-index	940533 16 g-index
20 all docs	20 docs citations	20 times ranked	1520 citing authors

#	Article	IF	Citations
1	Superresolution imaging of ribosomes and RNA polymerase in live Escherichia coli cells. Molecular Microbiology, 2012, 85, 21-38.	2.5	413
2	The spatial biology of transcription and translation in rapidly growing Escherichia coli. Frontiers in Microbiology, 2015, 6, 636.	3.5	93
3	Timeâ€dependent effects of transcriptionâ€•and translationâ€halting drugs on the spatial distributions of the <scp>E</scp>scherichia coli chromosome and ribosomes. Molecular Microbiology, 2014, 94, 871-887.	2.5	89
4	Bacterial persisters are a stochastically formed subpopulation of low-energy cells. PLoS Biology, 2021, 19, e3001194.	5.6	85
5	Localized Permeabilization of E. coli Membranes by the Antimicrobial Peptide Cecropin A. Biochemistry, 2013, 52, 6584-6594.	2.5	80
6	Subdiffraction-Limit Study of Kaede Diffusion and Spatial Distribution in Live Escherichia coli. Biophysical Journal, 2011, 101, 2535-2544.	0.5	67
7	Partitioning of RNA Polymerase Activity in Live Escherichia coli from Analysis of Single-Molecule Diffusive Trajectories. Biophysical Journal, 2013, 105, 2676-2686.	0.5	66
8	Tracking bacterial lineages in complex and dynamic environments with applications for growth control and persistence. Nature Microbiology, 2021, 6, 783-791.	13.3	59
9	Bacterial variability in the mammalian gut captured by a single-cell synthetic oscillator. Nature Communications, 2019, 10, 4665.	12.8	54
10	Nonperturbative Imaging of Nucleoid Morphology in Live Bacterial Cells during an Antimicrobial Peptide Attack. Applied and Environmental Microbiology, 2014, 80, 4977-4986.	3.1	48
11	Mechanical slowing-down of cytoplasmic diffusion allows in vivo counting of proteins in individual cells. Nature Communications, 2016, 7, 11641.	12.8	46
12	Stochastic antagonism between two proteins governs a bacterial cell fate switch. Science, 2019, 366, 116-120.	12.6	44
13	Quantification of very low-abundant proteins in bacteria using the HaloTag and epi-fluorescence microscopy. Scientific Reports, 2019, 9, 7902.	3.3	24
14	Single-cell microscopy of suspension cultures using a microfluidics-assisted cell screening platform. Nature Protocols, 2018, 13, 170-194.	12.0	21
15	Divin: A Small Molecule Inhibitor of Bacterial Divisome Assembly. Journal of the American Chemical Society, 2013, 135, 9768-9776.	13.7	17
16	Challenges of analysing stochastic gene expression in bacteria using single-cell time-lapse experiments. Essays in Biochemistry, 2021, 65, 67-79.	4.7	13